

**METHODS AND APPARATUS TO CONTROL DELIVERY OF A
HOST INFORMATION SYSTEMS
SERVICE LEVELS AND RESPONSE TIMES**

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ABSTRACT

10 A method is provided for determining a number of future content
requests that will arrive at an information delivery system for a pre-
determined future period of time. A plurality of models are created to
predict a number of future content requests. A determination is made for
15 each a model of its respective prediction for the pre-determined future
period of time. A model is selected, from the plurality of models, which has
a least error associated with its prediction to create a best model predictive
assessment of the next interval's number of content requests. The number
of current content requests is added with the predicted future content
15 requests to create an aggregate total number of content requests. The
aggregated total number of content requests are then sent to a capacity
function.